

Application No.: 09/913,362
Amendment Dated: August 12, 2005
Reply to Office Action of: April 27, 2005

MAT-8172US

Amendment to the Abstract:

Please replace the Abstract with the following Abstract.

ABSTRACT

~~A non-contact position sensor of this invention comprises a magnetic circuit having at least one magnet and a magnetically continuous magnetic body, at least one magnetic sensor element disposed to the magnetic circuit, and an object to be detected positioned in the magnetic circuit. The non-contact position sensor of this invention detects a change in output of the magnetic sensor element caused by rotation or movement of the object to be detected disposed in the magnetic circuit, to measure a position of the object to be detected.~~
A non-contact position sensor includes a plurality of magnets, at least one magnetic sensor element, and an object to be detected. The plurality of magnets form a magnetic circuit which includes a U-shaped first magnetic body, a U-shaped second magnetic body, and the plurality of magnets. The plurality of magnets are disposed between the two U-shaped magnetic bodies. The magnetic sensor element is held by the two U-shaped magnetic bodies.

Attachment